	Please type a plus s		f 1995, ng	—	RS respond to a collection of	Approved for use through 10/31/99. OMB 0651-0031 d Trademark Office: U.S. DEPARTMENT OF COMMERCE information unless it displays a valid OMB control number
JAN 0 8 2000	7 'm.'				Cor	mplete if Known
	Substitute for I				Application Number	09/954,500
PRADEMA	INFORM			LOSURE	Filing Date	17 September 2001
MADE	STATEN	MENT B	Y APF	PLICANT	First Named Inventor	Alexander Streitsov
	(us	se as many sh ee	ts as necessi	u/y)	Group Art Unit	1752 JAN 7.5
!		·		.	Examiner Name	Unknown 2002
	Sheet	4	of	4	Attorney Docket Number	167

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	-
Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	1
Initials*	No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Τ²
W		CYMER®, Cymer, Products; 248 nm KrF Product Family, <u>www.cymer.com</u> , September 21, 2000.	
ya		CYMER®, Cymer, Products; 193 nm ArF Product Family, <u>www.cymer.com</u> , September 21, 2000.	
		A. Nakajima, "Glass emerges as data-storage contender", Science & Technology.	
		_	
		TC TOO	
		TC TO BROWN ED	
		1700	
			-

Examiner Signature	Svette C.	OLT	Date Considered	11/23/03
	!/	· · · · · · · · · · · · · · · · · · ·		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached,

TRACE

Complete if Known Substitute for form 1449A/PTO Application Number 09/954,500 INFORMATION DISCLOSURE Filing Date 17 September 2001 **STATEMENT BY APPLICANT** Alexander Streitsov **First Named Inventor** Group Art Unit Examiner Name Unknown 4 Сf Attorney Docket Number

			U.S. PATENT DOCUMEN	TS	1/00
examiner Cita Initials* No.1		U.S. Patent Document Number Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	U.S. Classification (Primary Class/Subclass
fCT		4,270,130	Houle et al.	05-26-1981	346/77E
1		4,641,924	Nagae et al.	02-10-1987	350/339R
		4,847,138	Boylan et al.	07-11-1989	428/209
$\neg \vdash$		5,157,674	Lawandy	10-20-1992	372/22
		5,178,978	Zanoni et al.	01-12-1993	_430/11
$\neg \neg$		5,253,198	Birge et al.	10-12-1993	365/106
		5,285,517	Wu _	02-08-1994	385/142
		5,289,407	Strickler et al.	02-22-1994	365/106
$\neg \neg$		5,325,324	Rentzepis et al.	06-28-1994	365/127
		5,616,159	Araujo et al.	04-01-1997	65/17.4
		5,627,933	Ito et al.	05-06-1997	385/123
$\neg \neg$		5,656,186	Mourou et al.	08-12-1997	219/121.69
$\neg \neg \neg$		5,675,691	Edlinger et al.	10-07-1997	385/130
		5,761,111	Glezer	06-02-1998	365/106
$\neg \neg$	_	5,773,486	Chandross et al,	06-30-1998	522/33
		5,841,928	Maxwell et al.	11-24-1998	385/129
		5,919,607	Lawandy	07-06-1999	430/326
CF		6,075,625	Ainslie et al.	06-13-2000	359/3
	_				ļ

(ff known)	Passages or Relevant Figures Appear	7
	887427	
93/16403 British Telecommunications 08-19-1993 A1 Public Limited Company	25 661 9673	
125 97/32821 A1 Corning Incorporated 09-12-1997		
ICT JP 11255536 A Hirao 09-31-1999		,
	A	
	/人	
	· CA	
		_
	0	7

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MREP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WiPO Standard ST.3). ⁴ For Japanese patent documents, indication of the year of the reign of the Emperor must precede the serial number of the document. ⁵ Kind of document by the appropriate symbols as indicated on the document under the WiPO Standard ST.16, if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office. Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Please type a plus sign (+) inside box — PTO/SB/088 (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

OPE X	<u>.</u>			ORIGI	IALLY FILED Cor	nplete if Known		
	Substitute for fo				Application Number	09/954,500	RE	
JAN O B CO.	NFORM	ATION	DISC	LOSURE	Filing Date	17 September 2001	(7E/1
Grand Let	STATEM	IENT B	Y APF	PLICANT	First Named Inventor	Alexander Streltsov	JAN.	TVE
TATRADE	(us	e as many sheel	ts as necessa	9 <i>7y)</i>	Group Art Unit	1752	7 600	5 200
					Examiner Name	Unknown	0	2002
	Sheet	3	αf	4	Attorney Docket Number		¥ 7	7007

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	
Initials*	No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	T ²
401		HPFS® Standard Grade, www.hpfs.corning.com_, Corning Incorporated, May 1999.	
105		HPFS® Arf Grade, <u>www.hpfs.corning.com</u> ,, Corning Incorporated, May 1999.	
16		HPFS® KrF Grade, <u>www.hpfs.corning.com</u> ,Corning Incorporated, May 1999.	
WI		Indigo – DUV, Positive Light, <u>www.posIight.com</u> , May 2000.	
0		Indigo SLM, Positive Light, <u>www.poslight.com,</u> October 1999.	
M		Custom Lasers, Positive Light, <u>www.poslight.com</u> , October 1999.	
ACT		Positive Light New Products, <u>www.hpfs.corning.com</u> ., September 21, 2000.	
Ø		Coherent, Innova Sabre FRED Technical Data, Frequency-Doubled Ion Laser System, copyright 1996. WWW. COHERENTINC, COM	
401		Coherent – Laser Applications – Lithography, www.coherentinc.com, September 21, 2000.	
1CT		Coherent - Products - Lasers - Ion - Innova Sabre FRED, www.coherentinc.com , September 21, 2000.	
901		CYMER®, Cymer, Products; Background, <u>www.cymer.com</u> , September 21, 2000.	

					_}	
Examiner Signature	Shette C	At	Date Considered	0	The state of the s	1/23/02
				1	S S	

"EXAMINER: inflist if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

Linguage citation designation number: **Applicant is to place a check mark here if English tanguage Translation in a standard. ¹ Unique citation designation number. ² Applicant is to place a check mark here if English tanguage Translation is attached.

			ı						
PEZO	RM PT	O-1449 (MODIFIE	ED)	A	TTORNEY DOCKET NO	D.:	SI	ERIAL N	O.:
AR)	PU.	F PATENTS AND BLICATIONS		BORRELLI 83-7A 09			09/95	4,500	
FOR	SCLOS	CANTS INFORMA SURE STATEMEN	TION IT	A	PPLICANT: Borrelli et al	•			
	···	·		F	LING DATE 9/17/2001		GI	ROUP: 17	752
REFERE	ENCE I	DESIGNATION	_	U.S	S. PATENT DOCUMENT	rs			•
Examiner Initial			Date		Name		ss	Sub- Class	Filing Date if Approp.
				-					
				-				7.	
								7700	= 27
	<u> </u>			-					
								IVIII (II	
								HODM W	<u> </u>
							3		
• .		·F	OREIGN	· PA	ATENT DOCUMENTS	<u>_ l</u>			<u> </u>
		Document Number	Date		Country	Class		Sub-	Translation
40	AA	9-311237	2/12/199	97	Japan (machine translation only)			Class	Yes No
						<u> </u>	+		
	<u> </u>	OTURD ART (1 - 1'		1 Tid D (D)				
		OTHER ART (I	ncluding	Auı	hor, Title, Date, Pertinent	Pages, e	etc.)	<u> </u>	<u></u>
	<u> </u>								
EXAMINE	R: 1/h	oft. CX) D-		DATE	CONSI			- A =
EXAMINER: citation if not	Imitial in confo	if reference considered	d, whether ered. Include	or n	ot citation is in conformance opy of this form with next com	with MPI munication	3P 6	ノース3- 09: draw l applicant.	ine through

Please type a plus sign (+) inside this a

Palent and Trademark Office: U.S. DEPARTMENT OF COMME.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

					•		_[Com	plete if Known)		
	1			1449A/PTO				lication Number	09/954,500	-		
	INF	OR	MAI	LION DI	ISCL	.OSURE	Filin	g Date	17 September 2001			
	ST	ATE	MEI	NT BY	APP	LICANT	First	Named Inventor	Alexander Streitsov	,		
	J		(use es i	many sheets as	necesser	y)	Grou	p Art Unit	Unknown ORIGINALLY FILES			
OIP	7						Exam	niner Name	Unknown ORIGI	OF	D ₄ 5	
/ 0	1.1	Sheet	T	1	of	2	Attor	nev Docket Number		*** L L}	E PRS	_/
- 40.200	~ ~ ~				~		,			_	E0	
MAR 1 2 200						U.S.	PATE	NT DOCUMENT		-		
PADEMAR!	Saminer	Cito	Γ	U.S. Patent					Date of Publicat	tion of	1	
RADEMAS	Initials'	Document Na				Nan		itee or Applicant Document	MM-DD-YYY		U.S. Classifica (Primary Class/Subs	
- DE			Numbe	(if	Code ² known)					_	<u></u>	
	GU			474,427	4-4			et al	10-02-198		350/96.30	<u> </u>
			4,807,950					n et al	02-28-1989 350/3.61			
	 		5,104,209					et al	04-14-1992 385/27			
	 			761,111	╂╼╾┼			ezer	06-02-199		365/106	
•	<i> </i>	ļ		978,538	╂╼┷╂	·		e et al	11-02-199		385/123	
	1700	_		154,593 297,894	18			etal	11-28-200 10-02-200		385/123 359/35	
	44		0,4	297,894	╁╩╁		Minie	ecal	10-02-2001 339/33			
	<u> </u>	<u> </u>	 		╂╾╌┼	`		······	 		 	
					1 - 1							
	i				1 1							
	J				1						· · · · · · · · · · · · · · · · · · ·	
					1							
					$\Gamma = \Gamma$							
	<u> </u>		<u> </u>		 				<u> </u>		<u> </u>	
						<u>.</u>						
			<u> </u>		╂┈╌╁	 						
	ļ	-			1 - 1					<u> </u>	 	
	L		<u> </u>		-				<u> </u>		<u></u>	
	Γ					FORE	GN PA	TENT DOCUME	NTS			
	Eug-des-	C**-		Foreign Pate	nt Docu			Patentee or Applicant	Date of Publicatio	n of	Pages, Columns, Lines Where Relevant	
	Examiner Initials*	Cite No.1	Office ³	Numb	xer ⁴	Kind Code ⁵ (if known)	of (Cited Document	Cited Documer MM-DD-YYYY		Passages or Relevant Figures Appear	Τ¢
				· · · · · · · · · · · · · · · · · · ·		(il Known)			†		. iga-ov. pp -ou	-
		 										

					IGN PATENT DOCUMEN			
Examiner	Cite	Fore	Foreign Patent Document		Name of Patentee or Applicant	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant	
Initials*	No.	Office ³	Number	Kind Code ⁵ (if known)	of Cited Document	MM-DD-YYYY	Passages or Relevant Figures Appear	Τ°
	-							├
		 	<u>-</u>	}				├-
	-	 - 						├
	1		·		Mar SI		<u> </u>	┢
					7 7			
					20			
		-			000			
	├						<u> </u>	├
	<u>. </u>					<u> </u>	<u> </u>	

Examiner Signature Unette C. Ohto Date Considered 11-23-03

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, indication of the year of the reign of the Emperor must precede the serial number of the document. ⁵ Kind of document by the appropriate symbols as indicated on the document under the WIPO Standard ST.16, if possible. ⁰ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/088 (10-96)
Please type a plus sign (+) inside this base of 1995, on persons are required to respond to a collection of information unless it displays a valid OMB control number

				Complete if Known					
	form 1449B/P			Application Number	09/954,500				
			OSURE	Filing Date	17 September 2001				
STATE	MENT B	Y APP	LICANT	First Named Inventor	Alexander Streitsov Opin				
(4	use as many sheel	ls as necessary	n	Group Art Unit	1752 May Pag				
				Examiner Name	Unknown ALAS				
Sheet 2 of 2				Attorney Docket Number					

			_		
		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner	Cite .	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	Γ		
Columbs.	No.'	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	1		
SYJU		K.M. Davis, K. Miura, N. Sugimoto, and K. Hirao, "Writing waveguides In glass with a femtosecond laser", Optics Letters, Vol. 21, No. 21, Nov. 1, 1996, pp. 1729-1731.			
9A		K. Miura, H. Inouye, J. Qiu, T, Mitsuyu, and K.Hirao, "Optical waveguides induced in inorganic glasses by a femtosecond laser", NIMB, B, 141, 1998, pp. 726-732.			
40		K. Hirao, and K, Miura, "Writing waveguides in Silica-related Glasses with Femtosecond Laser", Jpn. J. Appl. Phys., Vol. 37, 1998, Suppl. 37-1, pp. 49-52.			
yct		K. O. Hill, Y. Fujii, D. C. Johnson, and B. S. Kawasaki, "Photosensitivity in optical fiber waveguides: Application to reflection filter fabrication", Appl. Phys. Lett. 32,(10), May 15, 1978, pp.647-649.			
401		E. N. Glezer, M. Milosavljevic, L. Huang, R. J. Finlay, TH Her, J. P. Callan, and É, Mazur, "Three-dimensional optical storage inside transparent materials", Opt. Lett. Vol. 21, No. 24, December 15, 1996, pp.2023-2025.			
			ļ.		
		RECEN			
		RECEIVED MAR 1 4 2002 TC 1700			
		1700			

Examiner Signature	Chrette Cal to	Date Considered	11-23-03
	-10-00 0 0.0	<u></u>	<u> </u>

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.